

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-6. (Canceled).

7. (New) A base station apparatus that allocates channels to time slots by an autonomous reuse partitioning dynamic channel allocation method, the apparatus comprising:

a channel allocator that performs: (1) a channel search for an uplink according to a predetermined order of priority, (2) a channel search for a downlink according to an order of priority reverse to said predetermined order of priority for the uplink, and (3) a channel allocation for the uplink and downlink in accordance with results of the uplink and downlink channel searches;

a receiver that receives signals through the allocated uplink channel; and

a transmitter that transmits signals through the allocated downlink channel.

8. (New) The base station apparatus of claim 7, wherein:

the base station apparatus is used in a TDD mobile communication system; and

the channel allocator performs the channel search for the uplink sequentially from a slot that is placed after a slot assigned to a report channel and close in time.

9. (New) A channel allocation method for an autonomous reuse partitioning dynamic channel allocation system, the method comprising:

performing a channel search for an uplink according to a predetermined order of priority; and

performing a channel search for a downlink according to an order of priority reverse to said predetermined order of priority for the uplink.

10. (New) The channel allocation method of claim 9, further comprising:

allocating a channel for the uplink and downlink in accordance with results of the uplink and downlink channel searches, wherein:

the method is used in a TDD mobile communication system, and

the channel search for the uplink is performed sequentially from a slot that is placed after a slot assigned to a report channel and close in time.